

TOUGH - FLEX™ 8/12

High Tenacity Polypropylene & Polyester Mixed

Structure: 8/12-strand

A polypropylene and polyester mixed mooring rope combines the lightweight and buoyant characteristics of polypropylene with the durability and strength of polyester. This blend results in a rope that is both easy to handle and resistant to abrasion, making it suitable for reliable performance in various marine environments.

Features:

Melting Point: 165/260
 Abrasion Resistance: Good
 Chemical Resistance: Very Good
 UV Resistance: Very Good
 Water Absorption: 0%
 Wet-dry Strength Ratio: Dry ≈ We

Applications:

Mooring and Tie-up Lines
 Mooring Pendants
 Tug Assist Line
 Anchor Lines
 Towing Lines
 Mooring Lines



Dia		Circ.	Weight		Code	8-Strand				Code	12-Strand			
mm	inch	inch	kg/100m	lbs/100ft		Unspliced MBL		LDBF, Spliced MBL			Unspliced MBL		LDBF, Spliced MBL	
						ton	kN	ton	kN		ton	kN	ton	kN
24	1	3	33.2	22.3	6115514	14.1	138	12.8	125	6115614	14.6	143	13.3	130
26	1-1/16	3-1/4	39.4	26.5	6115515	16	157	14.5	142	6115615	16.6	163	15.1	148
28	1-1/8	3-1/2	45.5	30.5	6115516	18.2	178	16.5	162	6115616	18.9	185	17.2	169
30	1-1/4	3-3/4	52.6	35.3	6115517	20.6	202	18.8	184	6115617	21.5	210	19.5	191
32	1-5/16	4	59.5	39.9	6115518	23.2	227	21.1	206	6115618	24.1	236	21.9	215
36	1-1/2	4-1/2	74.1	49.7	6115520	26.2	257	23.8	234	6115620	27.3	267	24.8	243
40	1-5/8	5	91.4	61.4	6115522	32.4	317	29.4	288	6115622	33.7	330	30.6	300
44	1-3/4	5-1/2	108.9	73.1	6115523	38.2	374	34.7	340	6115623	39.7	389	36.1	354
48	2	6	131.9	88.6	6115525	44.6	437	40.6	398	6115625	46.4	455	42.2	414
52	2-1/8	6-1/2	150	100.7	6115526	51.3	503	46.6	457	6115626	53.4	523	48.5	475
56	2-1/4	7	179	120.2	6115527	60.9	597	55.4	543	6115627	63.4	621	57.6	564
60	2-1/2	7-1/2	200.5	134.6	6115528	68.2	669	62	608	6115628	71	695	64.5	632
64	2-5/8	8	227	152.4	6115530	77.5	760	70.5	691	6115630	80.6	790	73.3	718
68	3-3/4	8-1/2	254	170.5	6115531	84.3	826	76.6	751	6115631	87.7	859	79.7	781
72	3	9	284	190.7	6115533	96.5	945	87.7	859	6115633	100.3	983	91.2	894
80	3-1/4	10	348.5	234	6115536	117.5	1152	106.8	1047	6115636	122.2	1198	111.1	1089
88	3-5/8	11	420.5	282.3	6115538	141	1382	128.2	1256	6115638	146.6	1437	133.3	1306
96	4	12	500	335.7	6115540	164.8	1615	149.8	1468	6115640	171.4	1680	155.8	1527
104	4-1/4	13	584	392.1	6115542	192.4	1885	174.9	1714	6115642	200.1	1961	181.9	1783
112	4-5/8	14	673	451.8	6115545	221.9	2175	201.7	1977	6115645	230.8	2262	209.8	2056
120	5	15	774	519.6	6115548	253.3	2483	230.3	2257	6115648	263.5	2582	239.5	2347
128	5-1/4	16	884	593.5	6115549	285.2	2795	259.2	2540	6115649	296.6	2906	269.6	2642
136	5-5/8	17	995	668	6115551	320	3136	290.9	2850	6115651	332.8	3261	302.5	2965
144	6	18	1123	753.9	6115552	357.4	3502	324.9	3184	6115652	371.7	3643	337.9	3311
152	6-1/4	19	1255	842.6	6115554	395.9	3880	359.9	3527	6115654	411.7	4035	374.3	3668
160	6-5/8	20	1396	937.2	6115555	436.9	4282	397.2	3893	6115655	454.4	4453	413.1	4048

- a. Bespoke diameter and length is available.
- b. ±5% tolerance according to ISO 2307:2010.
- c. LDBF=Line Design Break Force according to MEG4 OCIMF Guidelines.

